

SEQUENCE LISTING

<110> Carr et al.

<120> NOVEL CHIMERIC ANALGESIC PEPTIDES

<130> 18475-016

<140> 09/428,692

<141> 1999-10-28

<160> 43

<170> PatentIn Ver. 2.0

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 1

Tyr Gly Gly Phe Met Thr Ser Glu Ser Gln Thr Pro Leu Val Thr
1 5 10 15

a!
<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 2

Tyr Pro Trp Phe
1

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 3
Tyr Pro Phe Phe
1

<210> 4
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 4
Tyr Ala Phe Gly Tyr Pro Ser
1 5

<210> 5
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 5
Tyr Pro Phe Pro Gly Pro Ile
1 5

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 6
Tyr Pro Phe Val Glu Pro Ile
1 5

<210> 7
<211> 4
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 7

Tyr Pro Phe Pro

1

<210> 8

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 8

Tyr Gly Gly Phe Leu

1

5

<210> 9

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 9

Tyr Gly Gly Phe Met

1

5

<210> 10

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 10

Tyr Pro Phe Pro

1

<210> 11
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 11
Tyr Pro Phe Pro
1

<210> 12
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 12
Tyr Ala Gly Phe Leu
1 5

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 13
Tyr Ser Gly Phe Leu Thr
1 5

<210> 14
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 14
Tyr Gly Phe
1

<210> 15
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 15
Tyr Ala Phe Asp Val Val Gly
1 5

<210> 16
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 16
Tyr Ala Phe Glu Val Val Gly
1 5

<210> 17
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 17
Tyr Met Phe His Leu Met Asp
1 5

<210> 18
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 18

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys Trp Asp Asn

1

5

10

15

Gln

<210> 19

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 19

Tyr Gly Gly Phe Leu Arg Arg Ile

1

5

<210> 20

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 20

Tyr Gly Gly Phe Leu Arg Arg Ile Arg Pro Lys Leu Lys

1

5

10

<210> 21

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 21

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met

1 5 10

<210> 22
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: recombinant

<400> 22
 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly
 1 5 10

<210> 23
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: recombinant

<400> 23
 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
 1 5 10

<210> 24
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: recombinant

<400> 24
 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
 1 5 10

<210> 25
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 25

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly
1 5 10

<210> 26

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 26

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
1 5 10

<210> 27

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 27

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
1 5 10

<210> 28

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 28

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly
1 5 10

<210> 29

<211> 13

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 29

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
1 5 10

<210> 30

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 30

Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
1 5 10

<210> 31

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 31

Arg Pro Lys Pro
1

<210> 32

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 32

Arg Pro Lys Pro Gln Gln Phe
1 5

<210> 33
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 33
Arg Pro Lys Pro Gln Gln Phe Phe Gly
1 5

<210> 34
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 34
Arg Pro Lys Pro Gln Gln Phe Phe Trp Leu Met
1 5 10

<210> 35
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 35
Arg Pro Lys Pro Gln Gln Phe Phe Trp Leu Met Gly
1 5 10

<210> 36
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: recombinant

<400> 36

Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Met

1

5

10

<210> 37

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 37

Arg Pro Lys Pro Gln Gln Trp Phe Trp Leu Met Gly

1

5

10

<210> 38

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 38

Arg Pro Cys Pro Gln Cys Phe Tyr Gly Pro Met

1

5

10

<210> 39

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 39

Glu Phe Phe Gly Leu Met

1

5

<210> 40

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 40

Glu Phe Phe Pro Leu Met

1

5

<210> 41

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 41

Asp Phe Phe Gly Leu Met

1

5

<210> 42

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 42

Tyr Pro Phe Phe Gly Leu Met

1

5

<210> 43

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: recombinant

<400> 43

Tyr Pro Phe Phe Pro Leu Met

1

5

a!
cont